

Image of single quantum dots

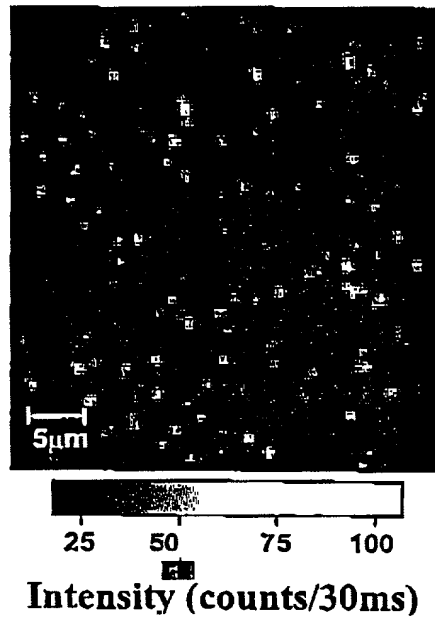


FIG. 1A

Single quantum dot spectra

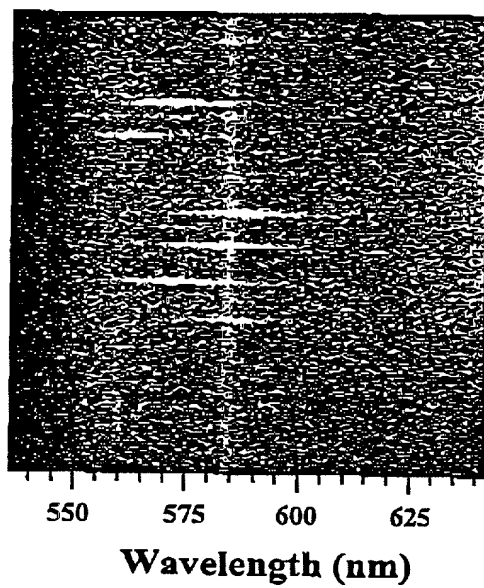


FIG. 1B

FIG. 2A



FIG. 2B

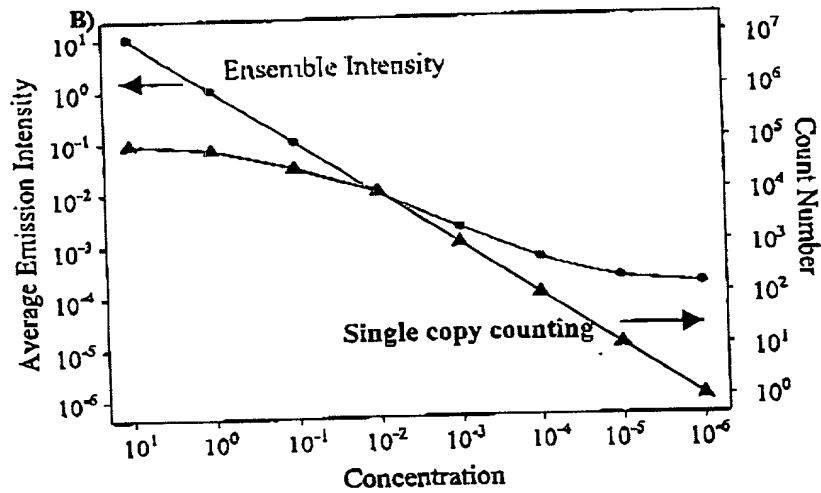


FIG. 2C

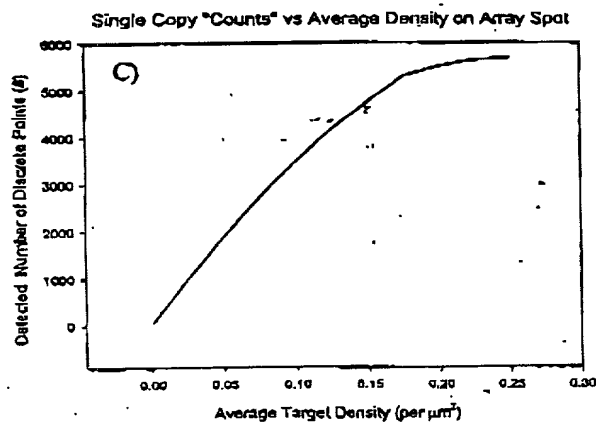


FIG. 3A

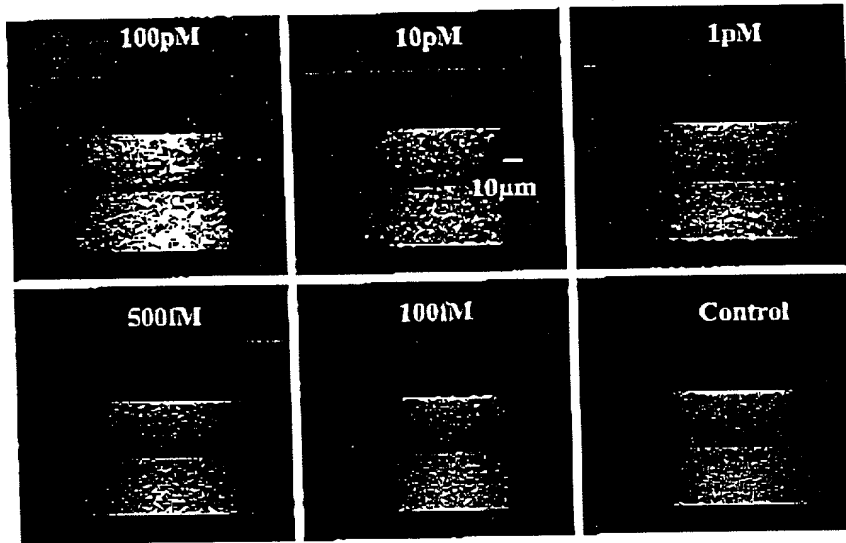


FIG. 3B

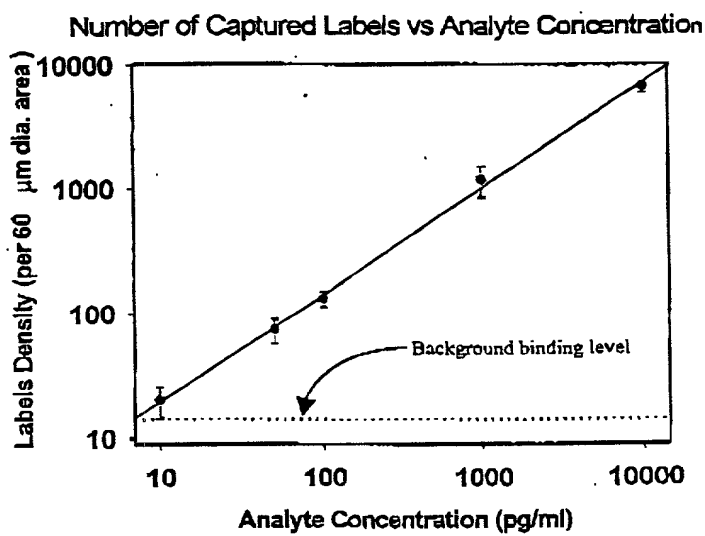


FIG. 4A

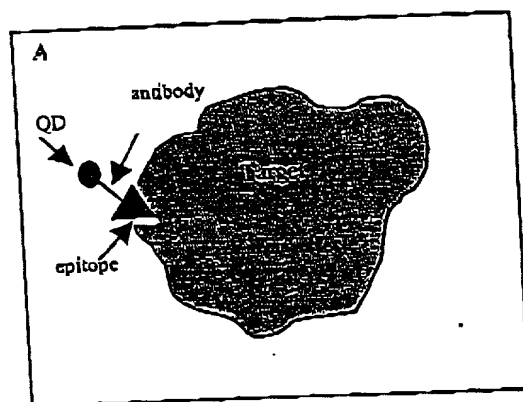
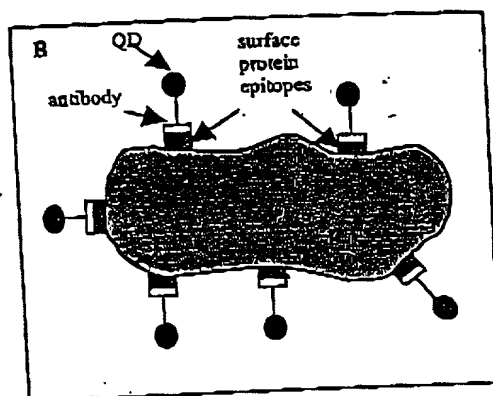


FIG. 4B



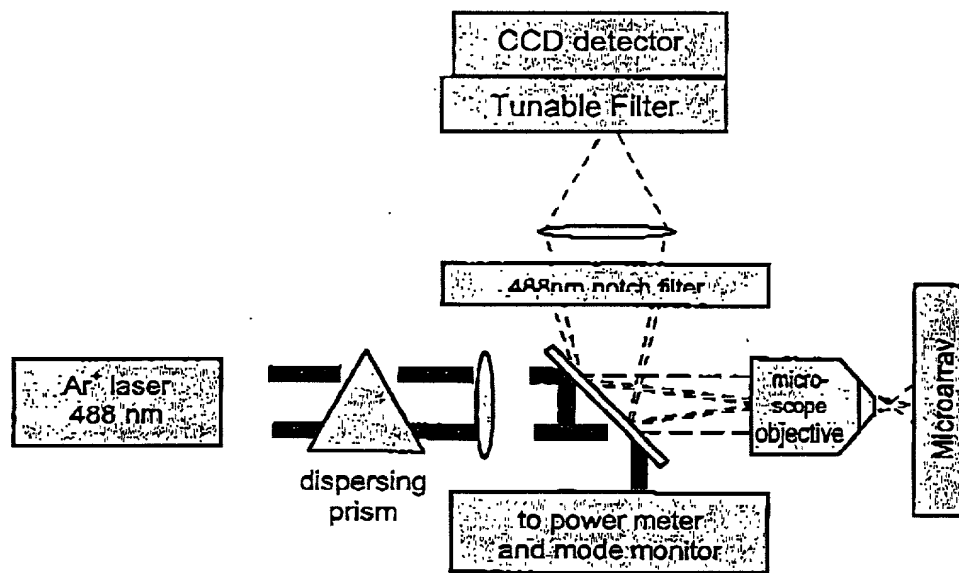
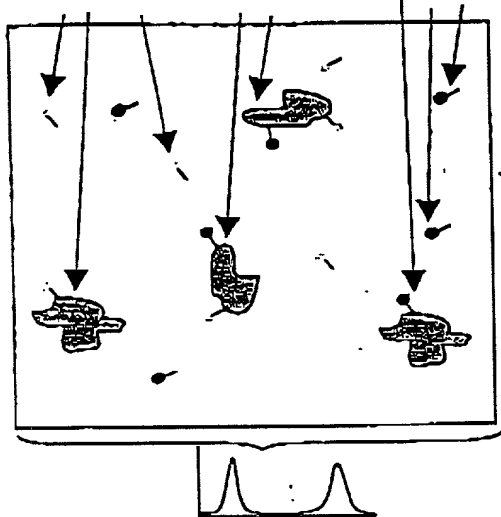


FIG. 5

Spectra with High Spatial Resolution



Label #2

Label #1

Non-specific  
Target

Specific  
Target

Spectrum with Low Spatial Resolution



FIG. 6

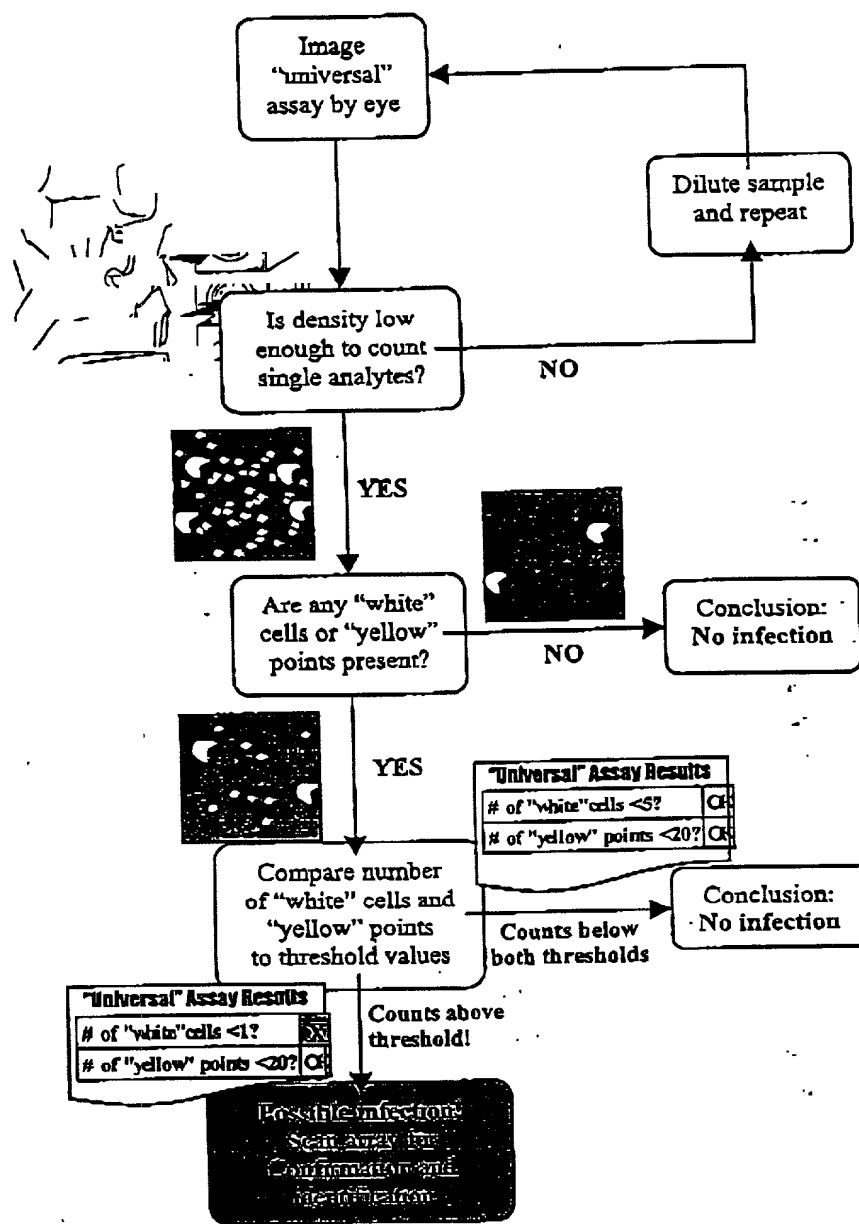


FIG. 7



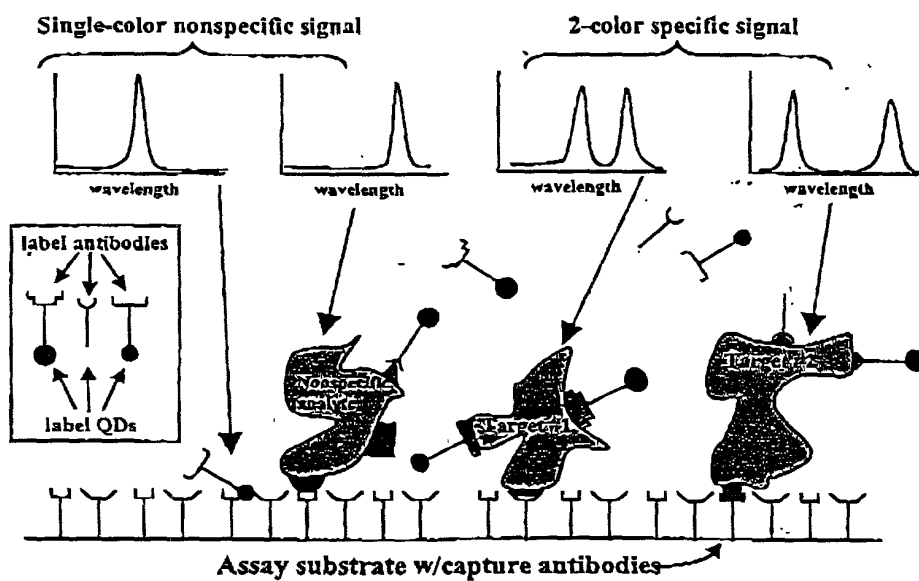


FIG. 9

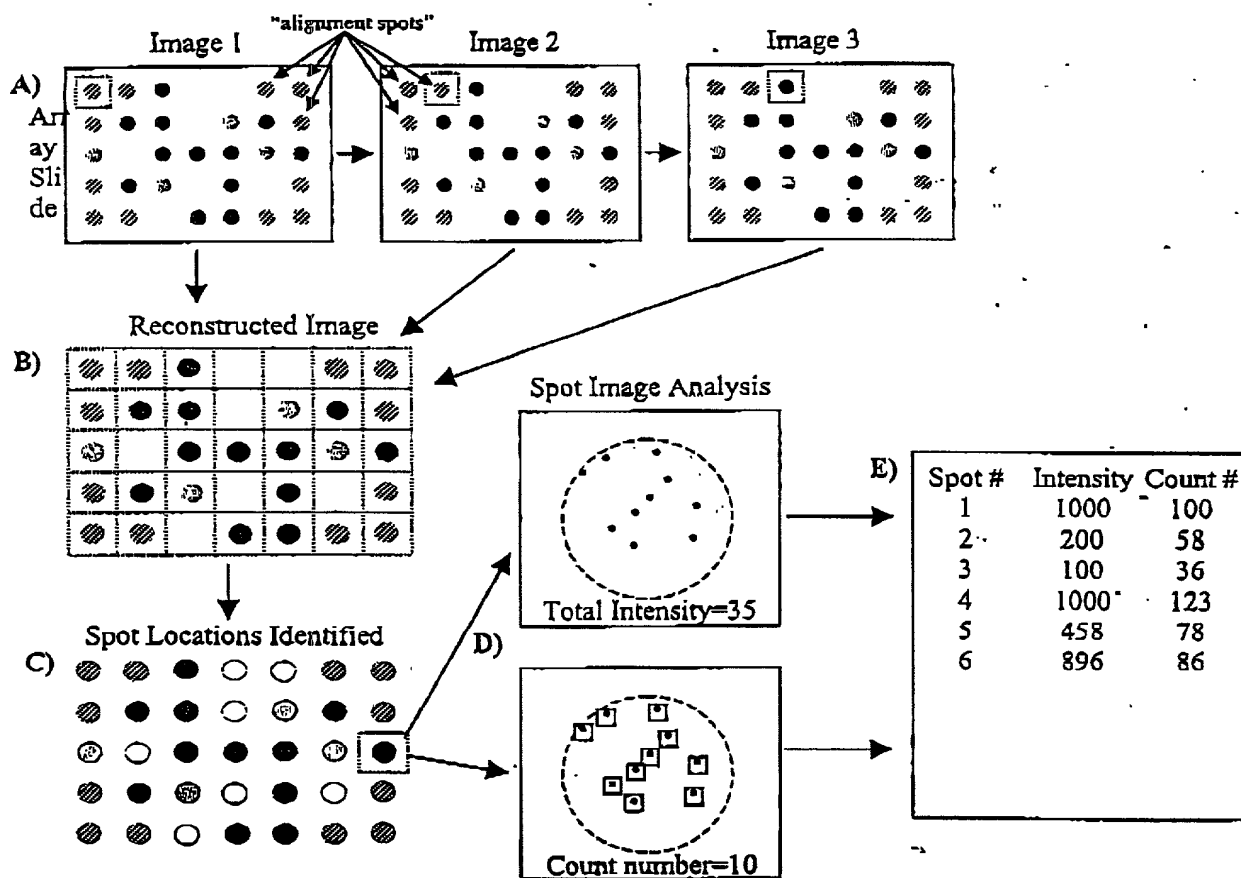


FIG. 8

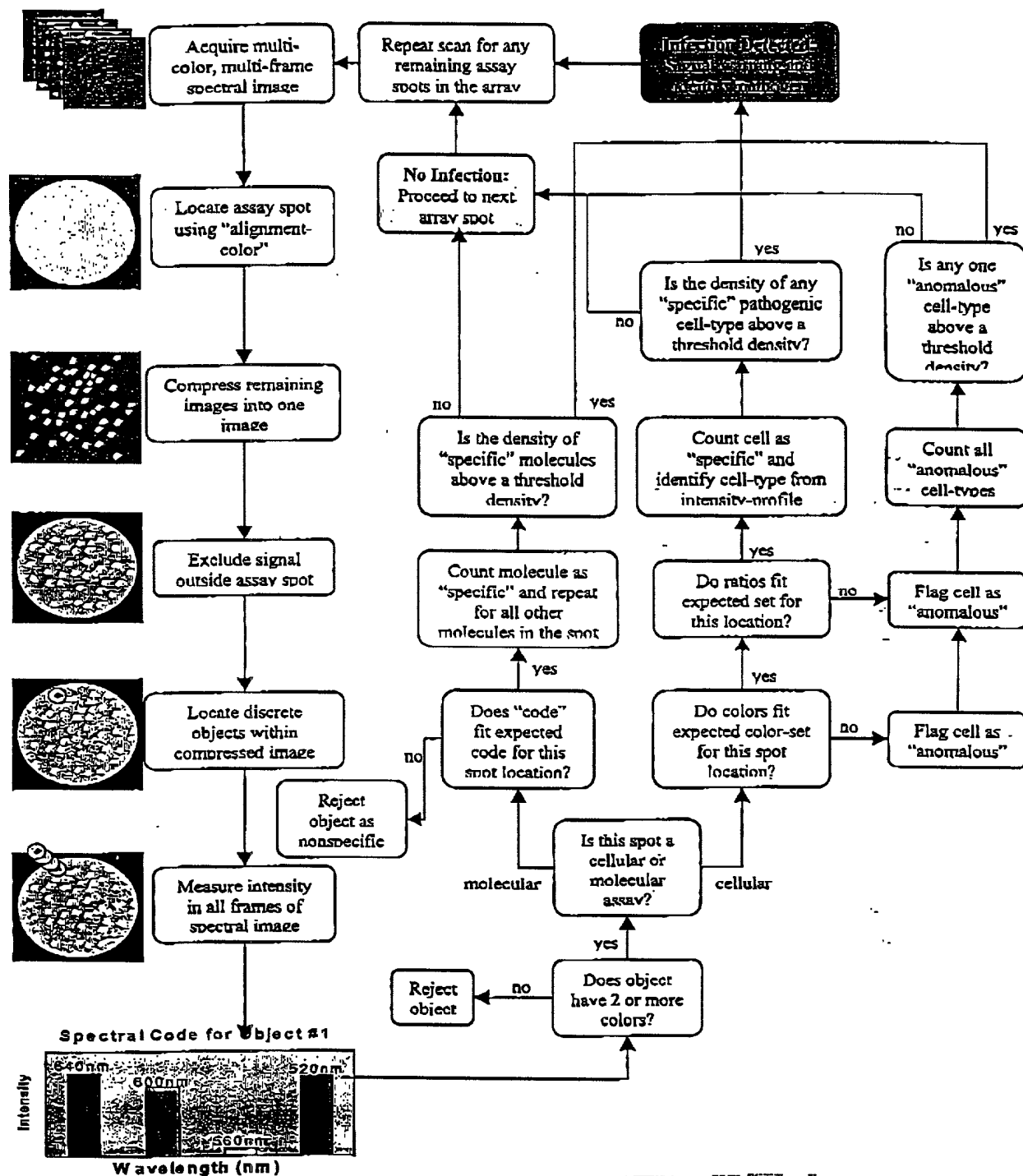


FIG. 10

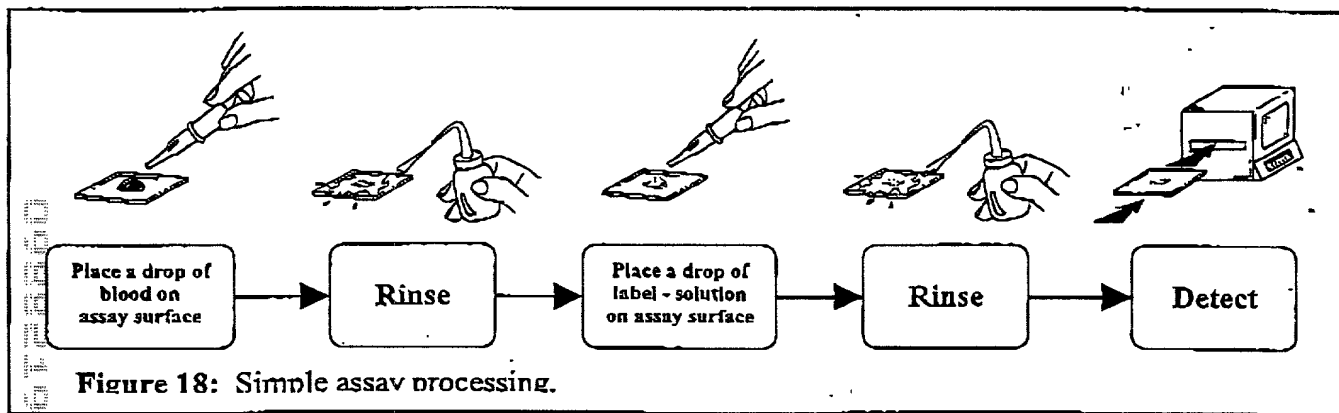


FIG. 11

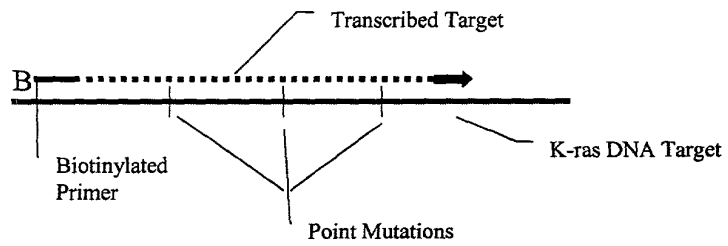


FIG-12

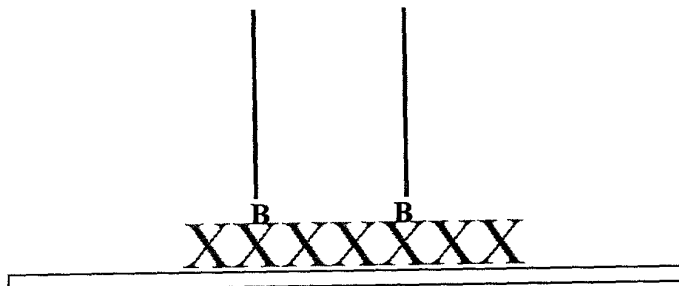
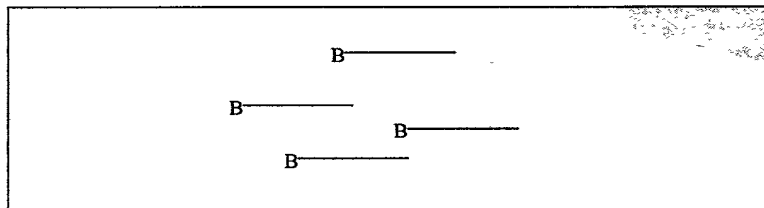
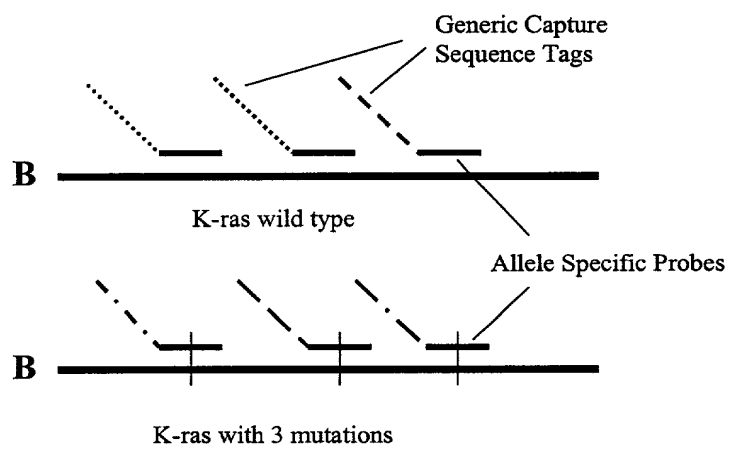


FIG-13



FIG\_14



FIG\_15

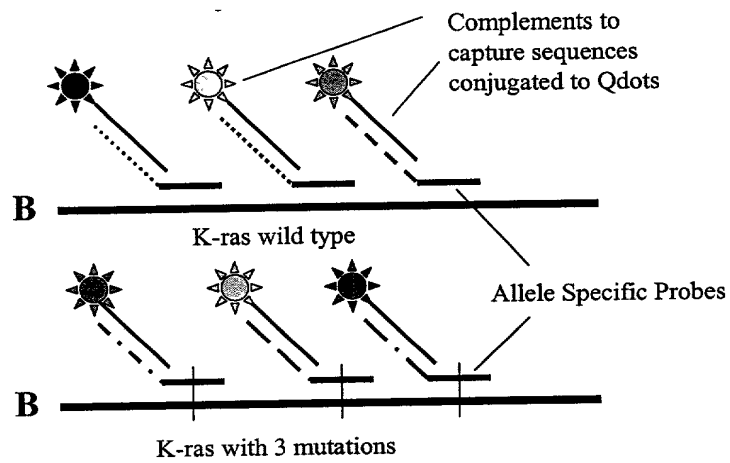


FIG-16

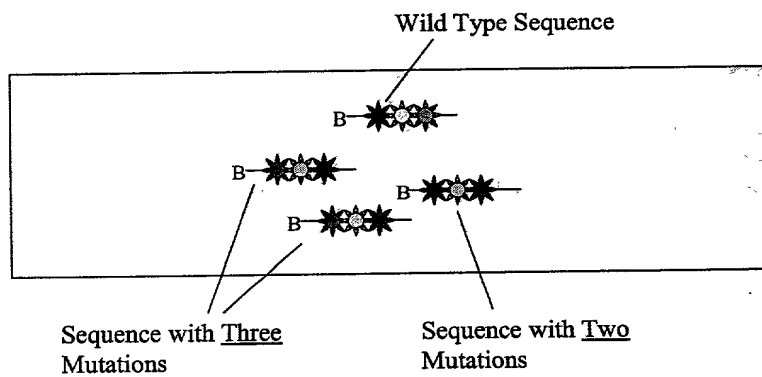


FIG-17